GOVERNMENT OF INDIA
STEEL
LOK SABHA

UNSTARRED QUESTION NO:2923
ANSWERED ON:22.12.2003
NATIONAL INSTITUTE OF SECONDARY STEEL TECHNOLOGY
BRIJBHUSHAN SHARAN SINGH

Will the Minister of STEEL be pleased to state:

(a) the details of the works undertaken by `National Institute of Secondary Steel Technology` under Ministry of Steel;

(b) whether the Government proposes to expand the said Institute ; and

(c) if so, the details thereof and if not, the reasons therefor?

Answer

THE MINISTER OF STATE IN THE MINISTRY OF STEEL (SHRI BRAJA KISHORE TRIPATHY)

(a) The National Institute of Secondary Steel Technology (NISST), a registered Society established by the Ministry of Steel is engaged in the field of human resource development and technology upgradation in the Secondary Steel Sector. It also provides consultancy and testing services to industry as per the details given in Annexure.

(b) & (c): There is no proposal at present before the Govt. for expansion of the said Institute.

ANNEXURE

(LOK SABHA UNSTARRED QUESTION NO. 2923 FOR 22.12.2003)

(i) HUMAN RESOURCE DEVELOPMENT

- Job Oriented Certificate Course
- Seminars/Workshops
- Refresher Courses/Skill Upgradation Programmes
- In-House Training
- CAD/CAM/CAE Courses

(II) INDUSTRIAL SERVICES/CONSULTANCY IN :-

- Performance of Combustion & Reheating Furnace Studies
- Thermal Audits
- Vetting of Designs of Reheating Furnaces
- Electrical Energy Audits
- Power Factor Monitoring & Improvement Studies
- Electrical Power System Studies
- Capacity Assessment Studies
- Process Audits/Studies
- Energy Efficiency Improvement Studies in Induction Furnaces.
- Failure Analysis of Mill Rolls.
- Quality Improvement of Steels.
- Techno-Economic Evaluation of Re-Rolling Mills
- Feasibility Studies

(iii) E-COMMERCE

NISST has ventured into E-Commerce by signing MOU with a leading E-Commerce Player. Under this programme, NISST is providing Private Trading Area (PTA) Facilities & Mini ERP Solutions to Secondary Steel Sector.

(iv) TESTING SERVICES

CHEMICAL, ENERGY & ENVIRONMENT LAB

- Chemical Analysis of Steel
- Pollution /Stack Pollution Testing
- Ambient Air
- Water & Waste Water Analysis
- Fuel Analysis
- Moisture/Viscosity, Pre-Heat Temp./ Calorific Value
- Combustion Studies

METALLOGRAPHY LAB

- Micro Structure With Photograph
- Grain Size Determination
- Inclusion Rating
- Decarburisation Depth
- Case Depth
- Hardenability Determination
- Nodule Count, Carbide, Nodule Shape Determination in S.G. Cast Iron
- Graphite Flake Type And Size in Cast Iron
- `Zn` Coating Thickness Determination In G.I.

SPECTROMETER LAB

- Chemical Analysis of Steel
- Chemical Analysis of cast iron

MECHANICAL & NDT LAB

- Tensile/Compression Test By Utm
- Nut/Bolt Test (Tensile Type)
- Bend/Rebend Test
- Double Shear Test
- Draft Expanding (For Tubes)
- Flattening (For Tubes)
- Hardness Rockwell/Brinell
- Impact Testing (Izod/Charpy)
- Erichson Cupping
- Dynamic/Impact Hardness Test (Shore)
- Ultrasonic Test
- Magnetic Particle Testing
- Meas urements of Tolerances
- Twist (For Tubes)

ELECTRICAL LAB

- Transformer Oil Filtration/ Dehydration
- Transformer Oil Testing - Dielectric Strength
- Insulation Resistance Testing
- Earth Testing

(v) SAFETY INSPECTION OF FACTORIES